Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work : Detailed Estimate for Improvements to road at Chikkasandra Main Roa near Sapthagiri College, in Shettyhalli Sub Division, Ward No.12

Est.Cost Rs 25.00 Lakhs

Sl.No	Description of Items	Unit	No.	L.	B.	D	Qty.	Rate	Amoun
1	2		3	4	5	6	7	8	9
1	KSRRB 300-1: Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH/ Chapter 3. Page No. 152/ Item No. 19.1/ PWD SR 2013-14							Cum	
			1	195.00	6.05	0.35	412.91		
			1	170.00	6.05	0.35	359.98		
			1	160.00	5.75	0.35	322.00		
							1094.89	65.88	**72131.0**
	Basic Rate	61.00							
	Area Weightage 8%	4.88							
		65.88							
2	KSRRB : Construction of granular sub-baseby providing close graded material, mixing in a mechanical mix plant at OMC , carriage of mixed Material to work site, spreading in uniform layers with mortor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specification. A.Plant Mix Method. Close graded granual sub-base material as epr 400-1 For Grading I Material (Page No.164, Item No. 20.4.1)								
			1	195.00	6.05	0.15	176.96		
			1	170.00	6.05	0.15	154.28		
			1	160.00	5.75	0.15	138.00		
							469.24	1060.56	**497657.**
	Basic Rate	982.00							
	Area Weightage 8%	78.56							
		1,060.56							

	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications. MORTH Specification No. 406 Page No. 170/ Item No. 20.18/ PWD SR 2013-14								
			1	195.00	6.05	0.20	235.95		
			1	170.00	6.05	0.20	205.70		
			1	160.00	5.75	0.20	184.00		
							625.65	1121.04	**701379.0**
	Basic Rate	1,038.00							
	Area Weightage 8%	83.04							
		1,121.04							
4	KSRRB 500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. MORTH specification No. 502 Page No.175/ Item No. 21.6/ PWD SR 2013-14							Sqm	
			1	195.00	6.05		1179.75		
			1	170.00	6.05		1028.50		
			1	160.00	5.75		920.00		
							3128.25	44.28	**138519.0**
	Basic Rate	41.00							
	Area Weightage 8%	3.28							
		44.28							
5	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. With 80/100 grade bitumen Page No. 175/ Item No. 21.20.1/ PWD SR 2013-14								
		Cum	1	195.00	(6.0+6.1)/2	0.025	29.49		
			1	170.00	(6.1+6.0)/2	0.025	25.71		
			1	160.00	(6.0+5.5)/2	0.025	21.00		
							76.21	9631.44	**734012**
	Basic Rate	8,918.00							
	Area Weightage 8%	713.44							
		9,631.44							
6	KSRRB 400-1.3: Carriage of mixed materials 10 kms for items of Sl.No.19.1 to 19.6 and 19.8 to 19.16 (Page No.183)								

	ty.vide item No. 5	Cum					76.21		
							76.21	56.16	
	Basic Rate	52.00							
	Area Weightage 8%	4.16							
		56.16							
7	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.147 I.18.57/1)								
	Qty Vide Item No=1						1094.89		2960
	Qty Limited to						1094.89	72.71	79600
	Basic Rate (Rs.2.0 x 1.28 x 2 kms)	5.12							
	Loading and Unloading Charges	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
							Total 2227582.00		
8	Add: KRIDL Service charges @ 10% + Labour Cess charges @ 1%						24 5834.00		
9	Miscellaneous and other unforseen charges						L.S. 27384.00		
							25,00000		
								Total	2500000.00

(Rupees Twentyfive Lakhs Only)

CERTIFICATE

1 The work sport has been inspected and the work found to be necessary
2 This estimate is prepared as per the PWD S.R of 2012-13
3 The provisions made in estimate are adequate and essential
4 This area comes under BBMP limits

Asst. Engineer
Ward No-12

Asst.Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

CE/D2/TS/31/14-15
ನಂ. pg: 67 ದಿನಾಂಕ : 20/5/2014
ರೂ. 25.00 lakhs (Rupees twenty five lakhs only)

Job Code No 12-13-00000
P-Code - 2201
Rs 25.00 ಲಕ್ಷಗಳು